

November 13, 2015



U.S. Department
of Transportation

East Building, PHH-30
1200 New Jersey Avenue S.E.
Washington, D.C. 20590

**Pipeline and Hazardous
Materials Safety Administration**

DOT-SP 11432
(TWELFTH REVISION)

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: (See individual authorization letter)
2. PURPOSE AND LIMITATION:
 - a. This special permit authorizes the transportation in commerce of certain Division 1.4 igniters packed with certain Division 1.4 detonators. These materials may be shipped on the same motor vehicle, cargo vessel or cargo aircraft with Class 1 jet perforating guns, detonating cords, commercial shaped charges or power device cartridges, subject to the packaging and safety measures prescribed herein. This special permit provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein. The most recent revision supersedes all previous revisions.
 - b. The safety analyses performed in development of this special permit only considered the hazards and risks associated with transportation in commerce.
 - c. Unless otherwise stated herein, this special permit consists of the special permit authorization letter issued to the grantee together with this document.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 172.301(a), in that marking the proper shipping name and identification number on the outer packagings is not required; § 173.61(c), in that UN0255, UN0267, UN0455 and UN0456 detonators may be packed together with other Class 1 explosives; §§ 175.3, 176.3, 173.61(c) and 177.835(g)(3) in that detonators may

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not be transported with any Division 1.1, 1.2, 1.3 or Division 1.4 detonating cord materials unless it is packed and loaded in accordance with a method approved by the Department of Transportation and this special permit specifically constitutes that approval.

5. BASIS: This special permit is based on the application of Baker Atlas dated March 29, 2007, submitted in accordance with § 107.109 and additional information dated March 15, 2010, and November 4, 2015.
6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Materials Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Detonators, electric, <i>for blasting</i>	1.4B	UN0255	II
Detonators, electric, <i>for blasting</i>	1.4S	UN0456	II
Detonators, non-electric, <i>for blasting</i>	1.4B	UN0267	II
Detonators, non-electric, <i>for blasting</i>	1.4S	UN0455	II
Igniters	1.4G	UN0325	II
Igniters	1.4S	UN0454	II

7. SAFETY CONTROL MEASURES:

a. PACKAGING - The following packing methods are authorized:

(1) **Packing Method A**

(i) INNER PACKAGINGS - Each detonator must be completely enclosed by a heavy wall fiberboard tube having a length of at least 15 cm (5-7/8") and a wall thickness not less than 0.75 cm (0.3"). Non-electric detonators must be centered in the tubes with tissue paper and closed with tape. Each igniter must be enclosed in a plastic

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receptacle or paper bag. Igniters and detonators may not be packaged in the same inner packaging together.

(ii) OUTER PACKAGINGS - The detonators and igniters must be placed in a heavy wall steel magazine box constructed from at least 12 gauge low-carbon steel lined with 0.6 cm (1/4 inch) thick foam rubber or wood on all interior surfaces. Not more than 24 detonators or igniters or combination of both are authorized to be transported in the steel magazine box at one time. The magazine box must have at least two means of preventing the lid from opening in the event of accidental initiation of one or more of the devices.

(2) **Packing Method B**

(i) INNER PACKAGINGS: As prescribed by the Competent Authority Approval for the appropriate article to the original manufacturer/shipper, but not containing more than 50 igniters or 50 detonators each. Detonators and igniters must not be packaged together in the same inner packaging.

(ii) OUTER PACKAGINGS: An IME 22 container or compartment is used as the outer packaging. This IME 22 container or compartment must not contain more than 1000 igniters or detonators or any combination thereof.

8. SPECIAL PROVISIONS:

a. A current copy of this special permit must be maintained at each facility where the package is offered or reoffered for transportation.

b. MARKING -

(1) Each inner packaging must be clearly marked with the appropriate UN Number, proper shipping name, division number and compatibility letter of the devices contained therein.

(2) The steel magazine box or IME 22 container or compartment used to transport detonators and igniters must be marked in letters at least 12 mm. high (0.47 inch) as follows:

DANGER--DETONATORS AND IGNITERS
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- c. Detonators may not have a net explosive weight (excluding initiation and delay elements) greater than 1 gram.
9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, cargo vessel and cargo aircraft only (for shipment by aircraft, see paragraph 10(c)).
10. MODAL REQUIREMENTS:
- a. A current copy of this special permit must be carried aboard each cargo vessel or motor vehicle used to transport packages covered by this special permit. The shipper must furnish a current copy of this special permit to the air carrier before or at the time the shipment is tendered.
- b. Transportation by cargo vessel is strictly limited to private off-shore supply vessels engaged in oil well operations.
- c. Transportation by cargo aircraft, including helicopters, is strictly limited to private carriers engaged in oil well operations.
11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this special permit and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:
- o All terms and conditions prescribed in this special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
 - o Persons operating under the terms of this special permit must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
 - o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this special permit must receive training on the requirements and conditions of this special permit in addition to the training required by §§ 172.700 through 172.704.

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No person may use or apply this special permit, including display of its number, when this special permit has expired or is otherwise no longer in effect.

Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)—"The Hazardous Materials Safety and Security Reauthorization Act of 2005" (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous materials transportation law by changing the term "exemption" to "special permit" and authorizes a special permit to be granted up to two years for new special permits and up to four years for renewals.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous materials incident reports. In addition, the grantee(s) of this special permit must notify the Associate Administrator for Hazardous Materials Safety, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:



for Dr. Magdy El-Sibaie
Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Material Safety Administration, U.S. Department of Transportation, East Building PHH-30, 1200 New Jersey Avenue, Southeast, Washington, D.C. 20590.

Copies of this special permit may be obtained by accessing the Hazardous Materials Safety Homepage at http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: CKe:kah